

## SourceRegion gives misleading error mesg

<b>Status:</b>	Closed	<b>Start date:</b>	02 Oct 2021
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	John Abbott	<b>% Done:</b>	100%
<b>Category:</b>	bug	<b>Estimated time:</b>	1.66 hour
<b>Target version:</b>	CoCoA-5.4.0	<b>Spent time:</b>	1.65 hour

**Description**

Here is the simplified failing example from issue #1613:

```
F3 ::= ZZ/(3);
phi := CanonicalHom(ZZ,F3);
psi := InducedHom(QQ,phi);
a:=psi(1/3);
```

If I send these lines to CoCoA-5 (inside emacs) using SourceRegion then the correct error mesg is not produced, but instead:

```
--> ERROR: Line number or char position too large or negative
--> SourceRegion 11,1 to 15,1 in "/home/jabbott/ShortTerm/BUG-FrF.cocoa5";
--> ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

Why? The printed error is completely unhelpful (and wrong!)

**Related issues:**

Related to CoCoA-5 - Bug #1613: CRASH with RingHom from FrF
Closed
30 Sep 2021

#1 - 02 Oct 2021 10:25 - John Abbott

The relevant source code is around line 4170 in Interpreter.C inside the function void SourceRegionStatement::implExecute(RuntimeEnvironment \*runtimeEnv)

**#2 - 04 Oct 2021 10:08 - John Abbott**

- Related to Bug #1613: CRASH with RingHom from FrF added

#3 - 04 Oct 2021 12:11 - John Abbott

- Status changed from New to Resolved
- Assignee set to John Abbott
- % Done changed from 0 to 80

I have rather blindly changed the interpreter. The code now seems to work as hoped (but I am not too confident that other nasty surprises aren't lurking in ambush).

#4 - 20 Oct 2021 22:05 - John Abbott

- Status changed from Resolved to Feedback
- % Done changed from 80 to 90

**#5 - 10 Nov 2021 18:04 - John Abbott**

- *Status changed from Feedback to Closed*
- *Target version changed from CoCoA-5.4.2 to CoCoA-5.4.0*
- *% Done changed from 90 to 100*
- *Estimated time set to 1.66 h*